



# OVERVIEW – OCEAN GOING VESSELS MITIGATION MEASURE TABLE

## Summary

This document provides an overview of the ocean going vessels table (Table IX), the purpose of the table, and, where appropriate, how to use the information provided in the table. Additionally, a link is included to company contact information for specific projects that have been achieved in practice.

## Table IX - Mitigation Measure Examples: Ocean Going Vessels

Table IX (*Mitigation Measure Examples: Ocean Going Vessels*) provides examples of specific control technologies that can be used to mitigate emissions from propulsion and auxiliary engines on ocean going vessels that operate within the AQMD's jurisdiction.

Table IX provides the following details organized by engine type (i.e. propulsion or auxiliary):

- Control technology
- Date control technology is required
- Achieved emission reductions
- Cost of the control technology, including capital cost and operation and maintenance, where applicable.
- Location or application where the control technology has been achieved in practice

For any identified control technology, the CEQA practitioner can calculate emission reductions achieved. To do so, apply the emission reduction to the applicable uncontrolled pollutant emission rate.

As an example, switching from 2.7% to 0.5% sulfur fuel oil within 40 nautical miles of Point Fermin yields the following emission reductions: 44% SO<sub>2</sub> and 18% PM. Assuming the engine emits 100 pounds per hour (lb/hr) SO<sub>2</sub> when fueled by 2.7% sulfur fuel, the quantity mitigated is 44 lb/hr SO<sub>2</sub> and the emission rate is 56 lb/hr SO<sub>2</sub> when the engine is fueled by 0.5% sulfur fuel.

Table IX can be downloaded directly from the following location:  
<http://www.aqmd.gov/ceqa/handbook/mitigation/ogv/TableIX.doc>.

## Company Contact Information

For additional information on the control measures achieved in practice, company contact information can be downloaded directly from the following location:  
<http://www.aqmd.gov/ceqa/handbook/mitigation/AIPContact.doc>